

Title (en)

Ferritic stainless steel cast iron, cast part using the ferritic stainless steel cast iron, and process for producing the cast part

Title (de)

Ferritischer Edelstahlguß, Gussteil unter Verwendung des ferritischen Edelstahlgußes und Verfahren zur Herstellung des Gussteils

Title (fr)

Fonte d'acier inoxydable ferritique, pièce coulée utilisant la fonte d'acier inoxydable ferritique et procédé pour la fabrication de la pièce coulée

Publication

EP 1826288 A1 20070829 (EN)

Application

EP 07003759 A 20070223

Priority

- JP 2006047354 A 20060223
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Abstract (en)

The present invention provides: a ferritic stainless steel cast iron including: Fe as a main component; C: 0.20 to 0.40 mass %; Si: 1.00 to 3.00 mass %; Mn: 0.30 to 3.00 mass %; Cr: 12.0 to 30.0 mass %; and one of Nb and V, or both of Nb and V in total: 1.0 to 5.0 mass %, the ferritic stainless steel cast iron satisfying the following formula (1): $1400 \# 1562.3 - \{ 133 \# \text{c WC} + 14 \# \text{c WSi} + 5 \# \text{c WMn} + 10 \# \text{c WNb} + \text{WV} \} \# 1480$ providing, WC (mass %), WSi (mass %), WMn (mass %), WCr (mass %), WNb (mass %), WV (mass %) and WCu (mass %) representing contents of C, Si, Mn, Cr, Nb, V and Cu, respectively; a process for producing a cast part from the ferritic cast steel; and the cast part.

IPC 8 full level

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Citation (search report)

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